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PATENT

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Brenda D. Chambers

US Serial No. 10/717,166  
Filed November 19, 2003  
Group Art Unit: 3726  
Allowed: August 9, 2006  
Examiner: AFZALI, Sarang  
Confirmation No.: 6002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Karl Paul Kroetsch et al  
Serial No.: 10/717,166  
Group Art Unit: 3726  
Examiner: AFZALI, Sarang  
Filed: November 19, 2003  
For: HEAT EXCHANGER CORE WITH SELF-SHEARING REINFORCEMENT  
Docket No.: DP-309557

STATEMENT OF SUBSTANCE OF THE INTERVIEW SUMMARY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

In response to the telephone interview with the Examiner on August 7, 2006, Applicant acknowledges receipt of the Examiner's Amendment.

Applicant further attaches page 2 of the Examiner's Amendment, which indicates:

Art Unit: 3726



## DETAILED ACTION

### RESPONSE TO AMENDMENT

1. The applicant's amendment filed on 07/27/2006 has been fully considered and made of record.

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Patrick Griffin on 8/7/2006.

The application has been amended as follows:

2. In claim 1, line 3, the phrase "the braze process" should read - - a braze process - - to overcome the lack of antecedent basis language.
3. The non-elected Claim 2 is cancelled.
4. The title has been changed to: "A METHOD OF MAKING A BRAZED METAL HEAT EXCHANGER CORE WITH SELF-SHEARING REINFORCEMENT"
5. The abstract has been changed to: "A method of making a radiator core reinforcement that self shears in the braze oven as strategically placed voids in the reinforcement erode away under the flowing action of the melted surface braze layer."

**In the Title:**

That the title of the application has been amended to: -- A Method of Making a Brazed Metal Heat Exchanger Core with Self-Shearing Reinforcement --.

**In the Claims:**

1. (currently amended) A method of making a brazed metal heat exchanger core having an elongated structural member the structural unity of which it is desired to maintain prior to the braze process, but which it is desired to later sever, and in which said elongated member is assembled with said core and also has a predefined surface area thereof oriented substantially vertically during ~~the braze process~~ a braze process at a predetermined braze temperature and duration, said elongated member being formed from a base alloy with a melting temperature above said predetermined braze temperature and is clad with a braze material that melts and flows at a temperature below said predetermined braze temperature, said method comprising the steps of,

providing a series of adjacent voids through said predefined surface area prior to assembling said core across the width of said elongated structural member, with webs between said voids having just sufficient width and strength to maintain the structural integrity of said elongated member during core assembly, with adjacent edges of said voids defining said webs being shaped such that said webs converge smoothly to a narrowest point and then diverge, moving vertically downwardly when said predefined surface area is oriented substantially vertically,

assembling said core,

orienting said core with said predefined surface substantially vertical,

brazing said core at said predetermined temperature and duration, during which melted braze material runs vertically downwardly, guided by said void edges and continually across said webs, said webs being sufficiently thin such that, during the braze process, running braze material erodes and severs said webs and thereby severs said elongated member completely.

2. (canceled)

**In the Abstract:**

A method of making a radiator core reinforcement self shears in the braze oven as strategically placed voids in the reinforcement erode away under the flowing action of the melted surface braze layer.

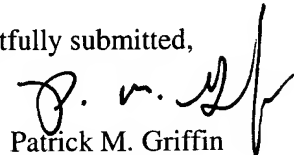
Appl. No. 10/717,166  
Statement of Substance of Interview Summary  
of Interview of August 7, 2006

Although no fees are believed due, the Commissioner is authorized to charge our Deposit Account No. 50-0831 for any fees or credit the account for any overpayment.

The Issue Fee on this patent application is due November 19, 2006.

Respectfully submitted,

By



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Date: September 25, 2006